

Republic of Iraq
The Ministry Of Higher
Education
Scientific Research &



University: Diyala
College: Agriculture
Department: Science Field Crops
Stage: Fourth
Lecturer name: Dania salman
qahraman
Academic Status: lecturer
Qualification: ph.D
Place of work: College
Agriculture/ University of Diyala

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Course Instructor	dania salman qahraman + Enas Abdel Rahim Khalaf				
E_mail	daniasalman@uodiyala.edu.iq				
Title	Land Farming				
Course Number	1				
Credits: Lectures Hours: Practical Hours:	Lectures Hours:2 Practical Hours:3				
Course Objective					
Course Description	Identifying the most important grain crops in Iraq and the world, studying the scientific methods used in growing grain crops, identifying the most important methods of increasing productivity for each field crop.				
Prequests					
Textbook References	Production and improvement of field crops by Dr. Abdul Hamid Al-Younis. <i>Crop Science Society Of America Library Genesis The field crops _ principles</i> .and a practice Agronomy journal Fundamentals of Weed Science				
Course Assessment	The first month test	The second month test	Final exam.		Final grade
			Theoretical	Practical	
	25	15	40	20	100
General Notes					

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week	Data	Topics Covered	Practical Part
1		Crop production factors	Conducting a survey and diagnosis of plants in an aquatic environment
2		Carbon representation in crop production	Comparing germination, growth, and development of plant stages in saline soil planted with wheat and comparing it to non-saline soil
3		Factors that increase productivity	Comparing the effect of gypsum and lime soil with ordinary soil (another crop)
4		Nitrogen fixation and increased productivity	Comparison of growth standards in normal and gravel soil
5		The relationship of energy expended to crop productivity	Comparing the growth standards of several crops grown in good soil to determine the reasons for their differences in productivity
6	Semester 1 st exam		
7		Post-harvest losses	Planting a crop, irrigating it with salt water, measuring the pH of the soil after two months, and comparing it with what was grown and irrigated with fresh .water
8		A scientific visit to agricultural fields	A visit to the field and recording some data on a specific crop on boards with a high density of jungle plants and others with little jungle
9		Branching in crop plants and its relationship to productivity	Visiting a local area and collecting and identifying its plants
10		Disadvantages of sandy and clay soils	A visit to the Gypsum area, collecting and identifying its plants
11		Disadvantages of gypsum and limestone lands	Comparing plant growth in sandy and medium soil
12	Semester 2 nd exam		
13		Addressing land defects	Comparing the amount of irrigation water required for sandy and medium soils according to signs of wilting

Dania

Salman

Instructor Signature
Dr.Dania Salman Qahraman
15/1/2025

Dean Signature
Prof.Dr. Raed Ibrahim Khalil
15/1/2025